2

sequence.

## WHAT IS CLAIMED IS:

	<u> </u>	<u> </u>			
1	1.	A method of reducing expression of a target gene in a cell, the			
2	method comprising the step of expressing in the cell an expression cassette comprising a				
3	promoter operably li	nked to a sense or antisense targeting sequence having substantial			
4	identity to at least a s	subsequence of the target gene, and an inverted repeat of a			
5	subsequence of an NOS gene, wherein the inverted repeat is heterologous to the targetin				
6	sequence, thereby re-	ducing expression of the target gene.			
1	2.	The method of claim 1, wherein the inverted repeat is in a position			
2	3' to the targeting sequence.				
1	3.	The method of claim 1, wherein the inverted repeat is in a position			
2	5' to the targeting see	quence.			
1	4.	The method of claim 1, wherein the inverted repeat is from the 3'			
2	untranslated region of the NOS gene.				
1	5.	The method of claim 4, wherein the inverted repeat is from the			
2	terminator region of	the NOS gene.			
1	6.	The method of claim 1, wherein the inverted repeat is from the 5'			
2	untranslated region o	of the NOS gene.			
1	7.	The method of claim 1, wherein the inverted repeat is from the			
2	coding region of the	NOS gene.			
1	8.	The method of claim 1, wherein the NOS gene is from an			
2	Agrobacterium sp.				
1	9.	The method of claim 1, wherein the inverted repeat comprises a			
2	sense region, a linker	region, and an antisense region.			
1	10.	The method of claim 1, wherein the inverted repeat is from about			
2	30 to about 200 nucleotides in length.				
1	11.	The method of claim 1, wherein the targeting sequence is a sense			

1	12.	The method of claim 1, wherein the targeting sequence is an			
2	antisense sequence.				
1	13.	The method of claim 1, wherein the targeting sequence has			
2	substantial identity to a plant pathogen target gene.				
1	14.	The method of claim 13, wherein the targeting sequence is a viral			
2	sequence, a bacteria	l sequence, an insect sequence, a fungal sequence, or a nematode			
3	sequence.				
1	15.	The method of claim 1, wherein the targeting sequence has			
2	substantial identity to a plant target gene.				
1	16.	The method of claim 1, wherein the targeting sequence is from			
2	about 100 to about 1000 nucleotides in length.				
1	17.	The method of claim 1 wherein the targeting sequence is from a			
2	coding region of the target gene.				
1	18.	The method of claim 1, wherein the targeting sequence is from a 5			
2	untranslated region	of the target gene.			
1	19.	The method of claim 1, wherein the targeting sequence is from a 3			
2	untranslated region of the target gene.				
1.	20.	The method of claim 1, wherein the target gene is			
2	polygalacturonase.				
1	21.	The method of claim 1, wherein the promoter is a tissue specific			
2	promoter.				
1	22.	The method of claim 1, wherein the promoter is a plant promoter.			
1	23.	The method of claim 22, wherein the promoter is a cauliflower			
2	mosaic virus 35S promoter or a figwort mosaic virus 34S promoter.				
1	24.	The method of claim 1, wherein the cell is a plant cell.			

1	25.	The method of claim 24, wherein the plant is selected from the			
2	group consisting of wheat, corn, rice, sorghum, pepper, tomato, squash, banana,				
3	strawberry, carrot, bean, cabbage, beet, cotton, grape, pea, pineapple, potato, soybean,				
4	yam, and alfalfa.				
1	26.	The method of claim 1, wherein the expression cassette has a			
2	nucleotide sequence of SEQ ID NO:1.				
1	27.	The method of claim 1, wherein the targeting sequence comprises a			
2	premature stop codon that inhibits translation of the targeting sequence.				
	20				
1	28.	An expression cassette comprising a promoter operably linked to a			
2	sense or antisense targeting sequence having substantial identity to at least a subsequence				
3	of the target gene, an	d an inverted repeat of a subsequence of an NOS gene, wherein the			
4	inverted repeat is het	erologous to the targeting sequence.			
1	29.	The expression cassette of claim 28, wherein the inverted repeat is			
2	in a position 3' to the				
2	m a position 3 to the	rangering sequence.			
1	30.	The expression cassette of claim 28, wherein the inverted repeat is			
2	in a position 5' to the	targeting sequence.			
1 .	31.	The expression cassette of claim 28, wherein the inverted repeat is			
2	from the 3' untranslated region of the NOS gene.				
1	32.	The expression cassette of claim 31, wherein the inverted repeat is			
2	from the terminator r	egion of the NOS gene.			
1	33.	The expression cassette of claim 28, wherein the inverted repeat is			
2	from the 5' untranslated region of the NOS gene.				
1	34.	The expression cassette of claim 28, wherein the inverted repeat is			
2	from the coding region of the NOS gene.				

1 35. The expression cassette of claim 28, wherein the NOS gene is from 2 an Agrobacterium sp.

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1	36.	The expression cassette of claim 28, wherein the inverted repeat			
2	comprises a sense region, a linker region, and an antisense region.				
1	37.	The expression cassette of claim 28, wherein the inverted repeat is			
2	from about 30 to about 200 nucleotides in length.				
1	38.	The expression cassette of claim 28, wherein the targeting			
2	sequence is a sense sequence.				
1	39.	The expression cassette of claim 28, wherein the targeting			
2	sequence is an antisense sequence.				
1	40.	The expression cassette of claim 28, wherein the targeting			
2	sequence has substantial identity to a plant pathogen target gene.				
1	41.	The expression cassette of claim 40, wherein the targeting			
2		equence, a bacterial sequence, an insect sequence, a fungal sequence			
3	or a nematode sequence.				
1	42.	The expression cassette of claim 28, wherein the targeting			
2	sequence has substantial identity to a plant target gene.				
1	43.	The expression cassette of claim 28, wherein the targeting			
2		out 100 to about 1000 nucleotides in length.			
1	44	The expression cassette of claim 28, wherein the targeting			
2		oding region of the target gene.			
1		The expression assessed of alaim 28 wherein the targeting			
1	45.	The expression cassette of claim 28, wherein the targeting			
2	sequence is from a 5	' untranslated region of the target gene.			
1	46.	The expression cassette of claim 28, wherein the targeting			
2	sequence is from a 3	' untranslated region of the target gene			

The expression cassette of claim 42, wherein the target gene is

47.

polygalacturonase.

1		48.	The expression cassette of claim 28, wherein the promoter is a		
2	tissue specific promoter.				
1		49.	The expression cassette of claim 28, wherein the promoter is a		
2	plant promote	r.			
1		50.	The expression cassette of claim 49, wherein the promoter is a		
2	cauliflower mosaic virus 35S promoter or a figwort mosaic virus 34S promoter.				
1		51.	The expression cassette of claim 28, wherein the expression		
2	cassette has a nucleotide sequence of SEQ ID NO:1.				
1		52.	The expression cassette of claim 28, wherein the targeting		
2	sequence com	prises a	premature stop codon that inhibits translation of the targeting		
3	sequence.				
1		53.	A transgenic plant comprising the expression cassette of claim 28.		